# SongBook +

Release 1.4

# **User Manual**







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## 1 What is SongBook+?

SongBook+ allows you to manage your lyrics and/or sheet music, music files and videos to always have them to hand during your performance.

#### **Documents with lyrics / sheet music**

Transfer your PDF or TXT files to SongBook+. As SongBook+ can be used in portrait or landscape orientation, use documents in the corresponding orientation for full screen usage.

#### Play background music

If you do not perform your background music live, you can transfer your playback music (MP3, WAV, AIFF, M4A) to SongBook+ and play it as background music while displaying the lyrics. This way you only need your iPad, a microphone and an amplifier for a great performance.

You can also use this feature as a backup solution in case your keyboard is not working.

#### **Playing back videos**

Videos can also be played back in SongBook+, either directly on the iPad or on an external screen or projector.

Use this function to underline your show with additional effects or to play back karaoke videos.

Video files with the extensions MOV, MP4, MPV, 3GP, M4V and the following compression standards are supported:

- H.264 Baseline Profile Level 3.0 video up to 640x480 at 30 fps
- MPEG-4 Part 2 video (Simple Profile)

#### Clear list view with search features

SongBook+ offers a clear list view of your songs with the possibility to sort and search. You will find the desired song in no time.

#### **Playlists**

You can create playlists to only display the selected songs in your desired order during your performance on stage.

#### Song preselection during the playback of a song

During the playback of a song, you can preselect the next song to avoid search breaks between songs.

#### **Automatic page turns**

SongBook+ can turn the pages for you, allowing you to focus on singing. Simply record your manual page turns once and replay them later.

#### "Karaoke" station

Do you want a position pointer as with Karaoke? Simply record the position by tracing your

fingertip over the text and when playing it the next time, you will see a red point where your finger was.

#### MIDI-controlled document popup

If you prefer to select your song using the keyboard and only want SongBook+ to display the corresponding document after selecting a song or MIDI style, this is possible: SongBook+ can respond to MIDI program change commands from the keyboard. SongBook+ supports all MIDI adapters that are compatible with CoreMIDI.

#### **Send MIDI commands**

SongBook+ can send outgoing MIDI commands upon selecting, starting or stopping a song. This can be used to configure external MIDI equipment corresponding to the selected song. When selecting a song, you can send a program change command on a specific bank. When selecting or starting a song, you can send the contents of an individual small (single track, type 0) MIDI file containing control commands (not for music!). Upon starting/stopping a song you can also send MIDI start/MIDI stop commands.

#### **Control using gestures**

In the document view you can control the most important commands with simple gestures. Browse the document like a book, start or stop the playback or skip to the next song without pressing a button.

#### **Control using foot pedals**

With foot pedals, you can page forward and backward, start or stop the song, skip to the next song or go back to the song list.

#### Scan documents with built-in camera

With the build-in camera you can take pictures and convert them to PDF documents.

#### **Bluetooth connection between iPads**

If you have two or more iPads with SongBook, you can synchronize them to open the same document or turn the pages at the same time.

#### **Insert notes into documents**

If you want to make notes in a document without editing the original document, you can insert sticky notes with colored or transparent background.

#### Save zoom settings

If your documents do not fill the screen, you can save the selected zoom settings individually for each song.

#### Metronome

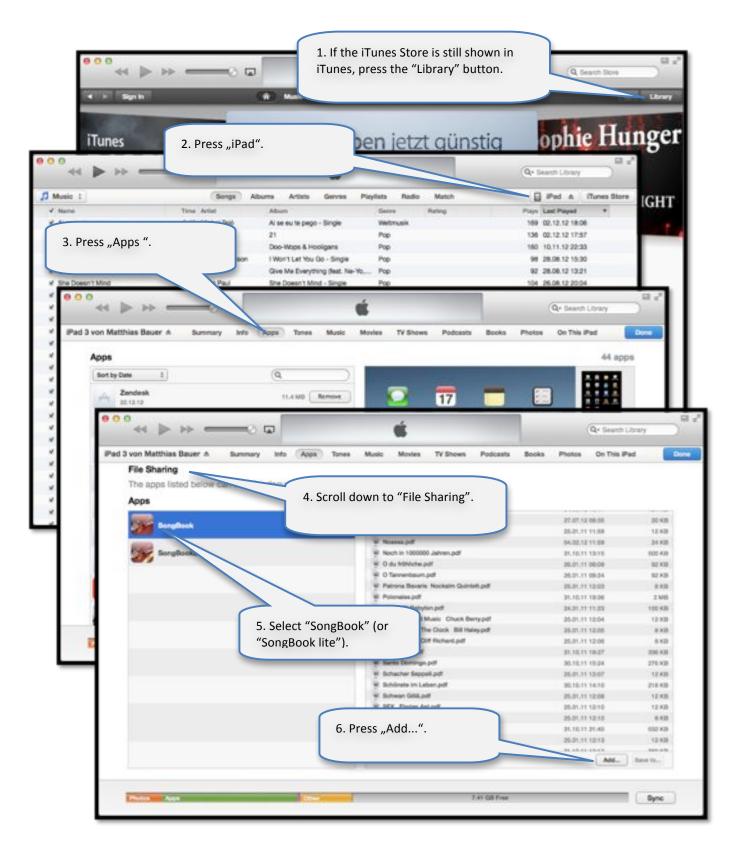
If you want to hear or see a metronome during the playback of a song, or just a few beats at the beginning to adopt the tempo, the metronome settings can be set and saved individually for each song.

## **Night colors**

If you are using the iPad on a dark stage, where white text or music sheets may be disturbing, you can toggle SongBook+ to use night colors. The user interface will then be displayed as white on black color and the colors of the text and music sheets will be inverted.

## 2 Add files to SongBook+ using iTunes

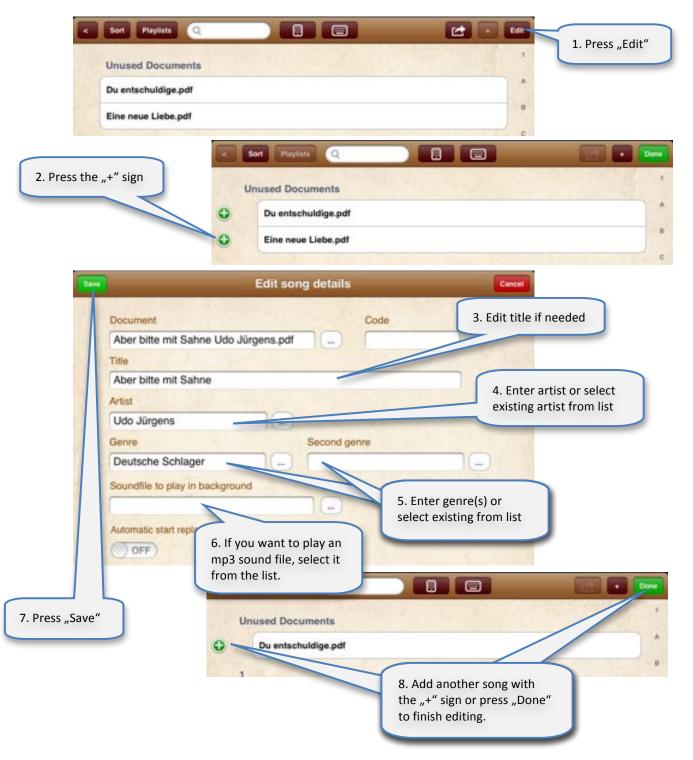
To add PDF, music or video files to SongBook, connect your iPad to the computer, start iTunes and follow the steps below:

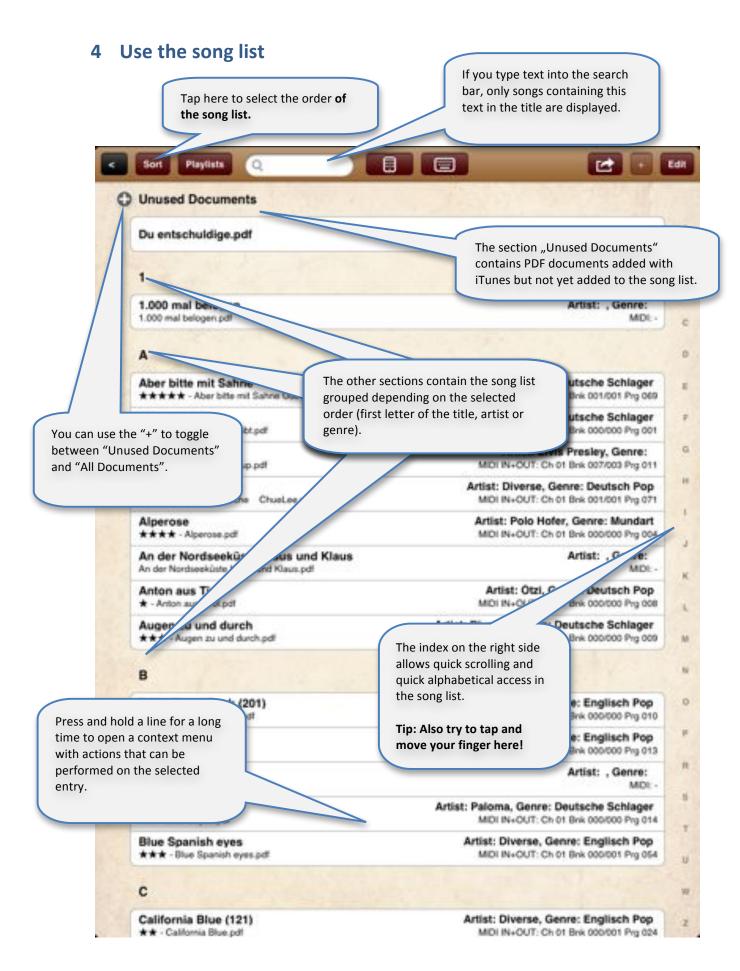


## 3 Insert unused files into the song list

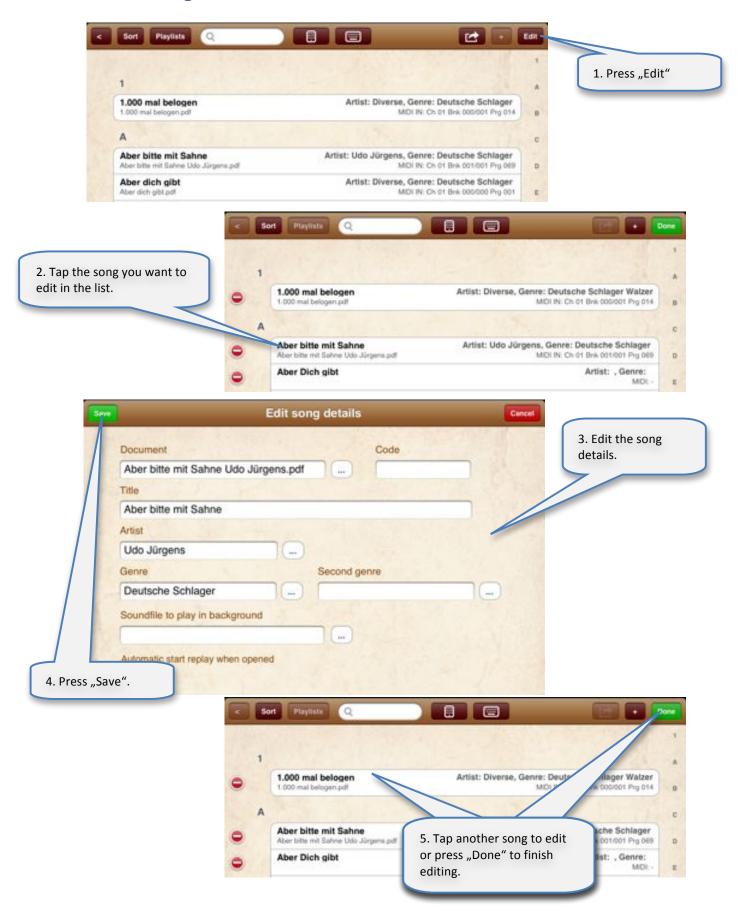
After adding PDF, music or video files to SongBook+, they appear in SongBook+ as "Unused Files".

With the following steps you add the documents to the list of songs and add additional information like song title, artist, genre and mp3 file to play in background.

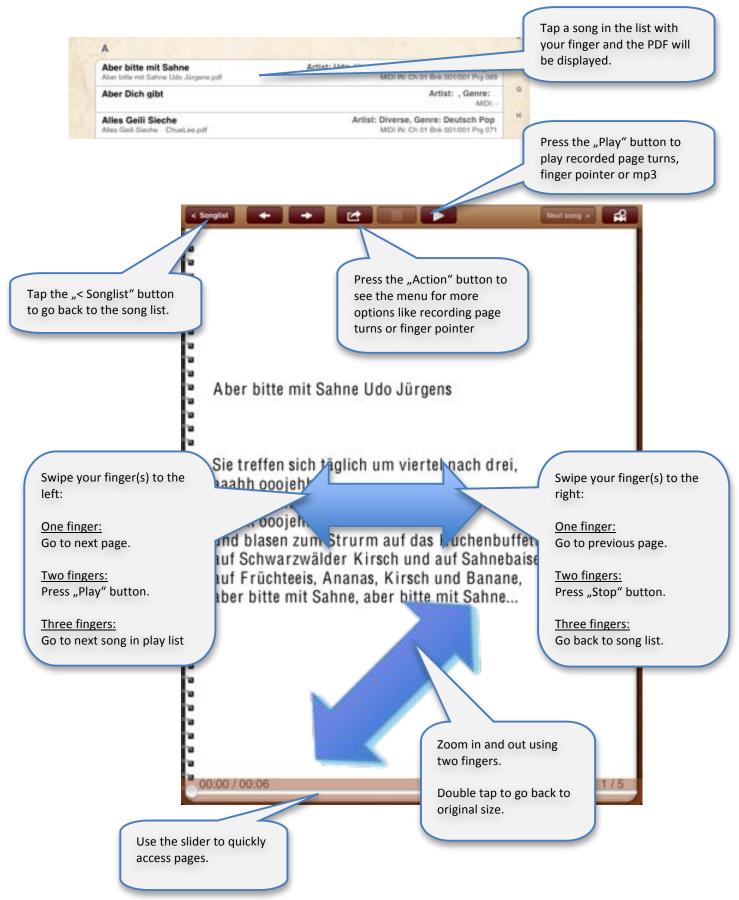




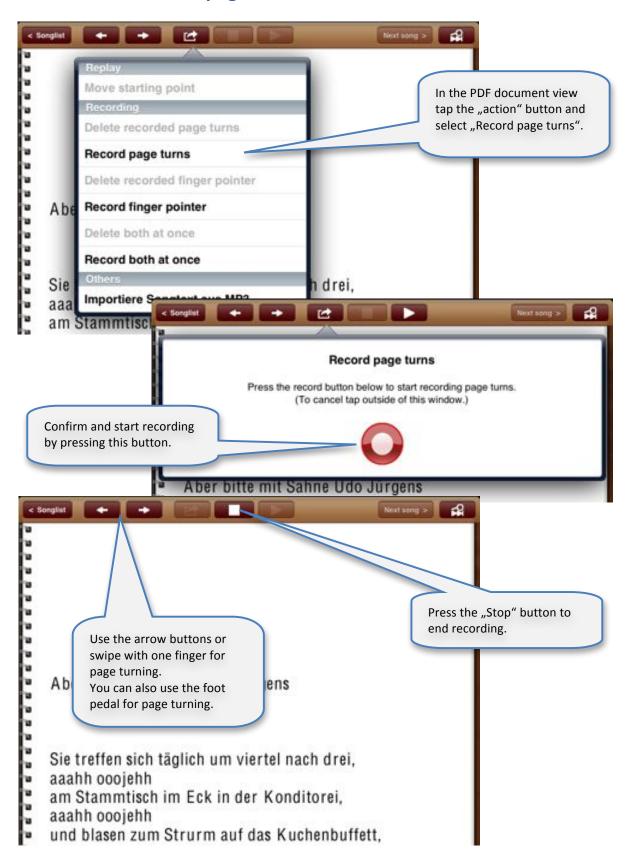
## 5 Edit song details



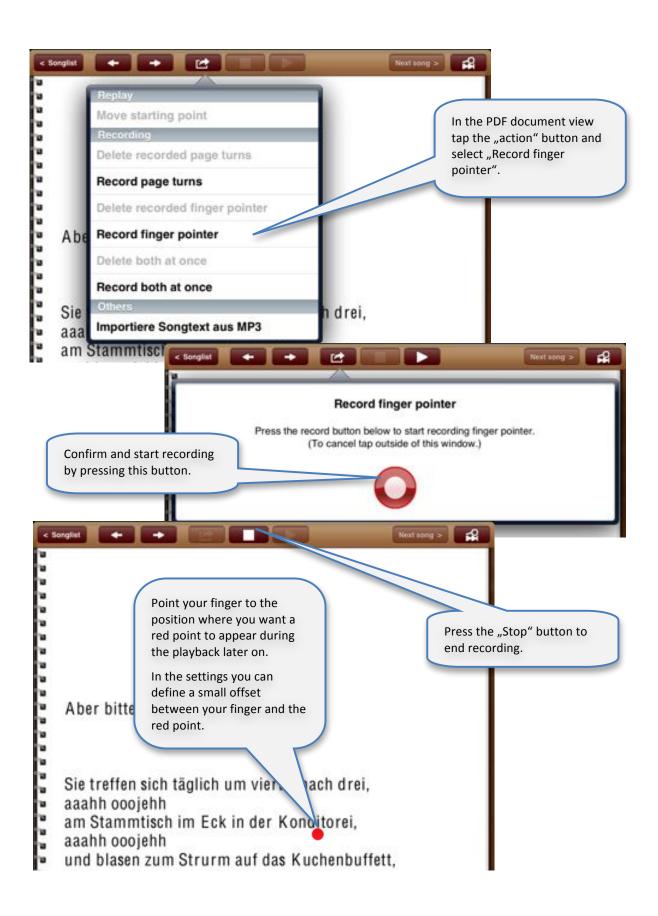
## 6 Display a PDF document and scroll in the document



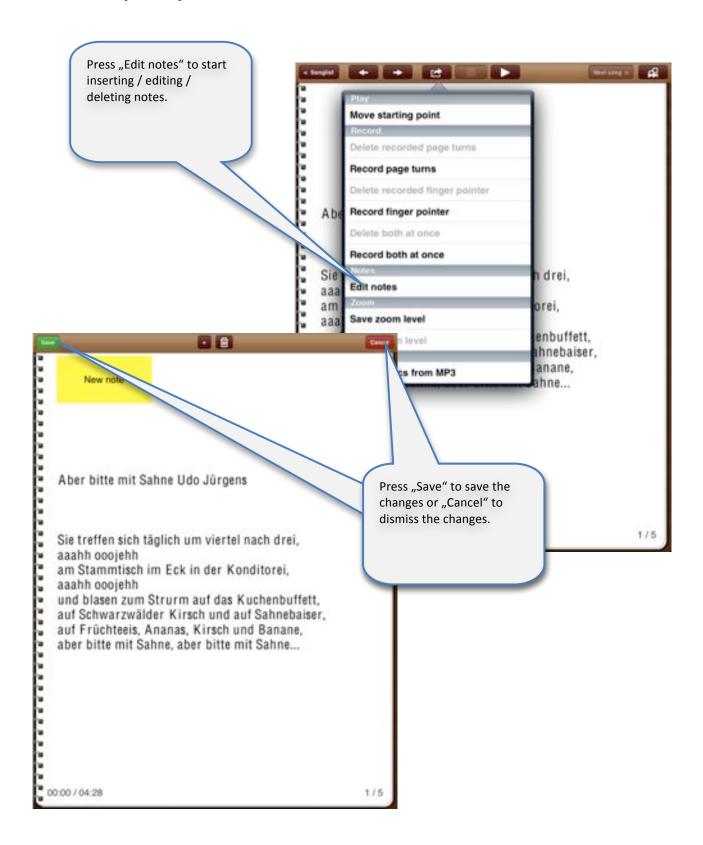
## 7 Record automatic page turns



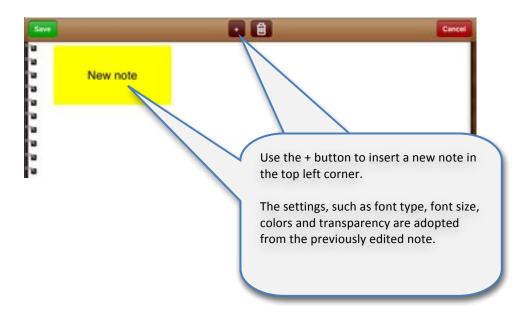
## 8 Record "Karaoke style" finger pointer



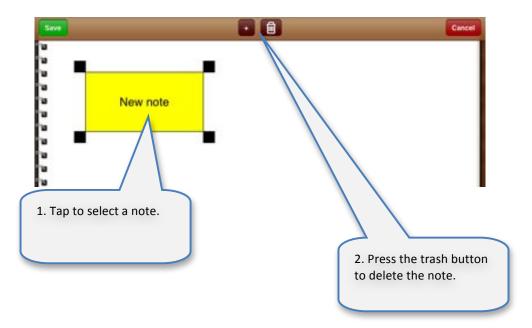
## 9 Insert / edit / delete notes



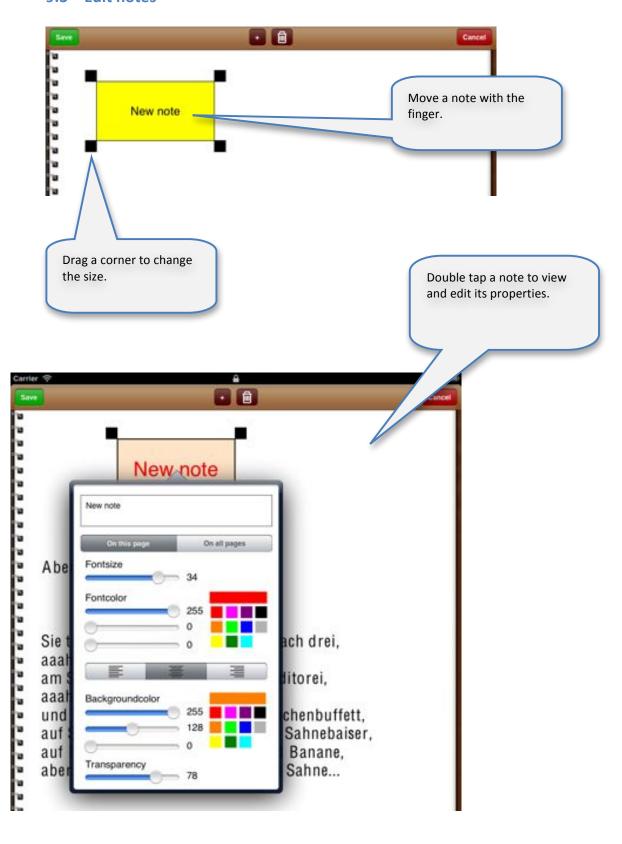
#### 9.1 Insert notes



#### 9.2 Delete notes

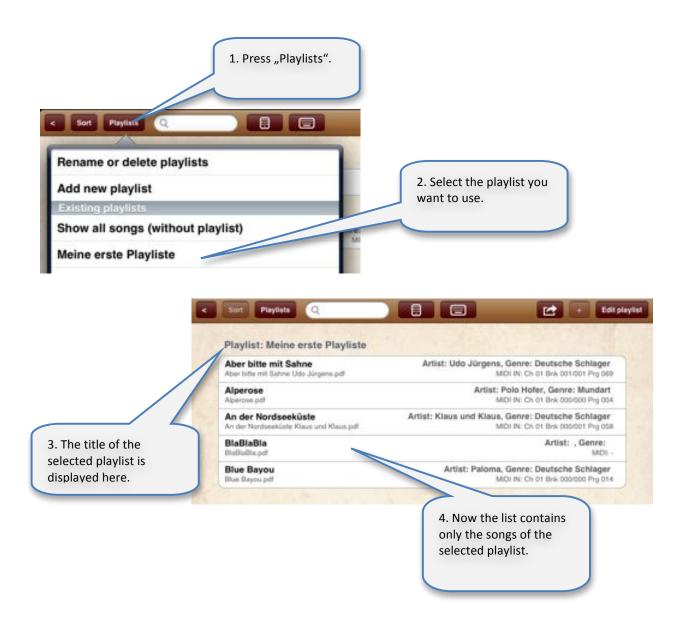


#### 9.3 Edit notes



## 10 Use playlists

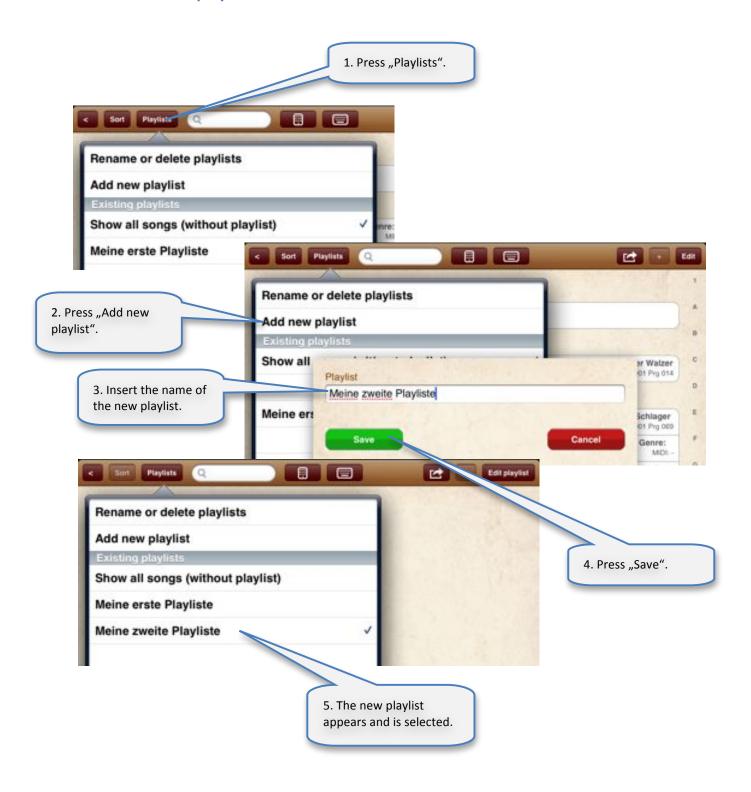
#### 10.1 Select an existing playlist



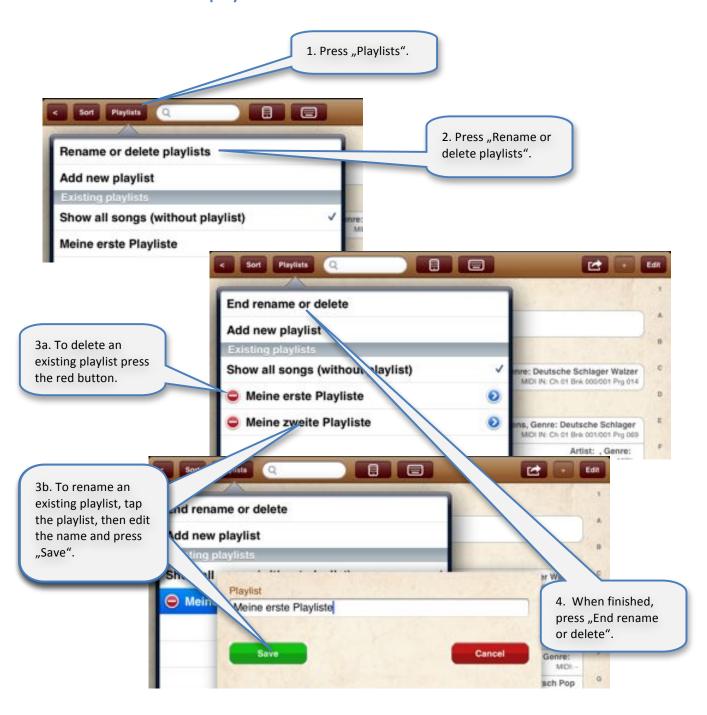
#### Attention:

If a playlist is selected, the "Edit" button is no longer used to edit the songs but to edit the content of the playlist!

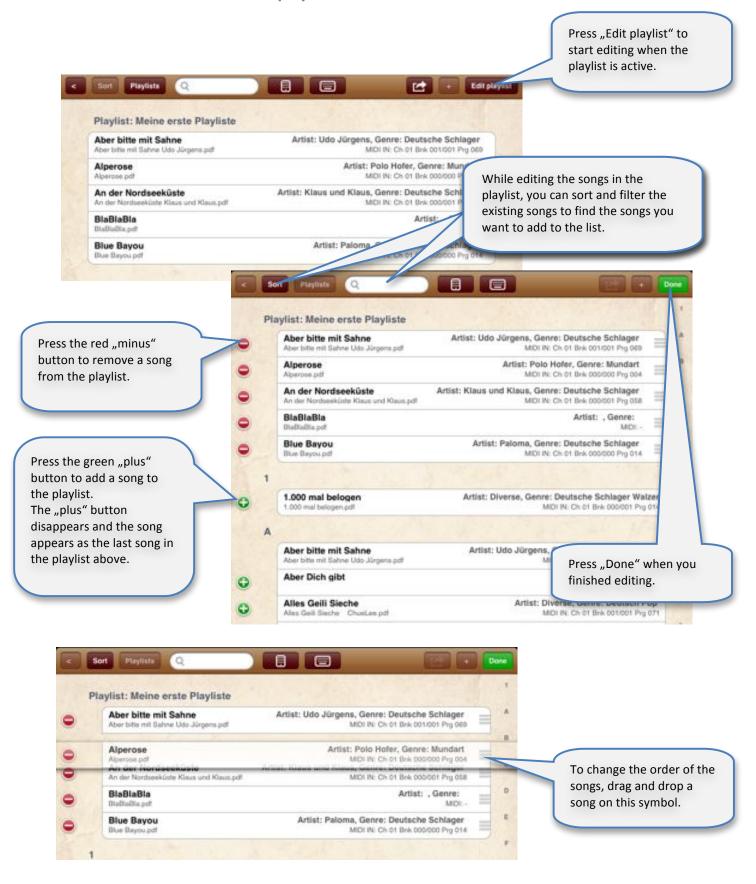
#### 10.2 Add a new playlist



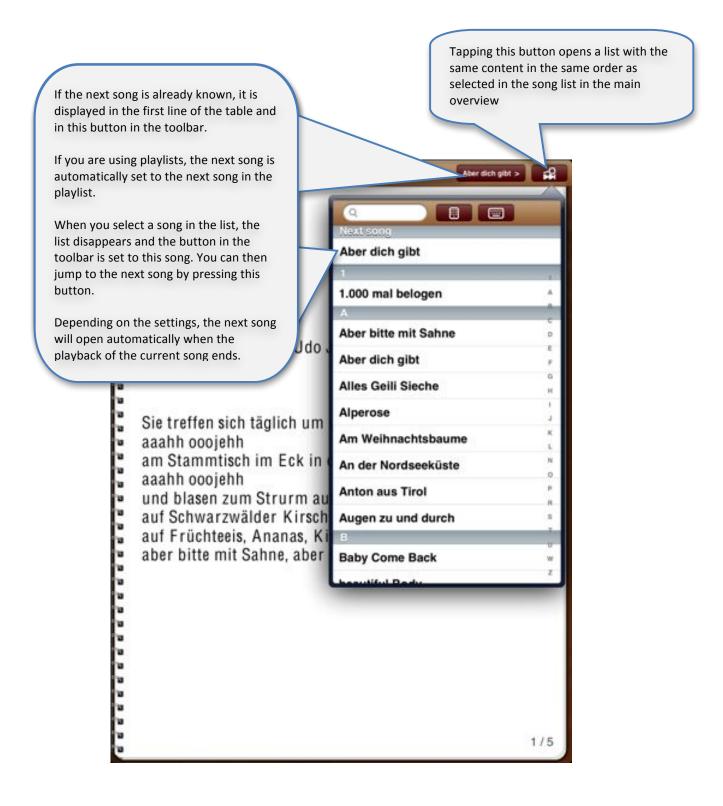
#### 10.3 Rename or delete playlists



#### 10.4 Edit the content of the playlist



## 11 Preselect next song without closing the current song



## 12 Import files from mail or other applications

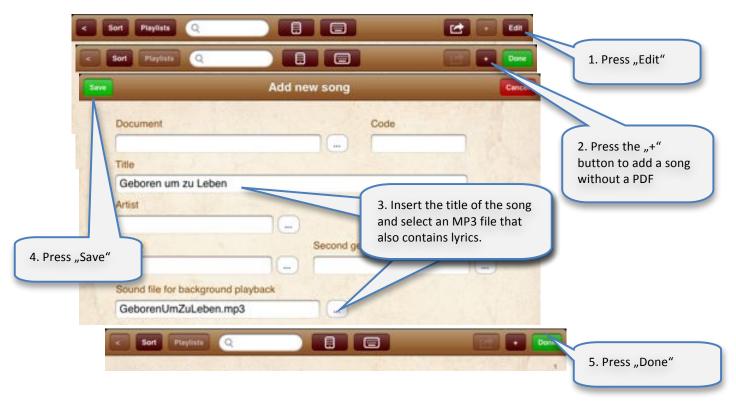
You can import PDF, music or video files from all other apps that allow creating or downloading such files and support an "Open in..." feature to pass the PDF to another app.

The following picture shows as sample how to import a PDF from an email attachment:

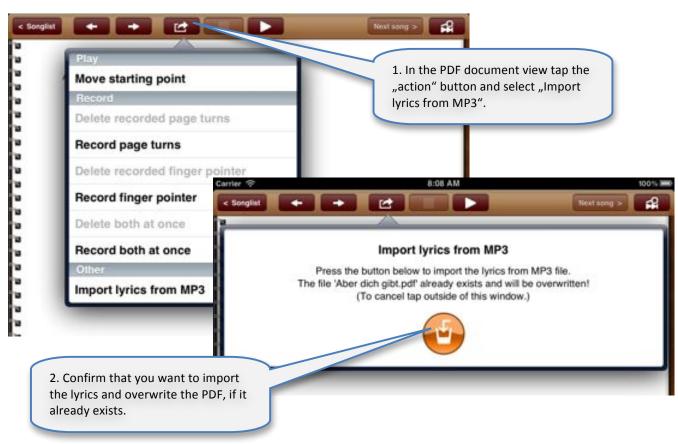


## 13 Import lyrics from MP3 file

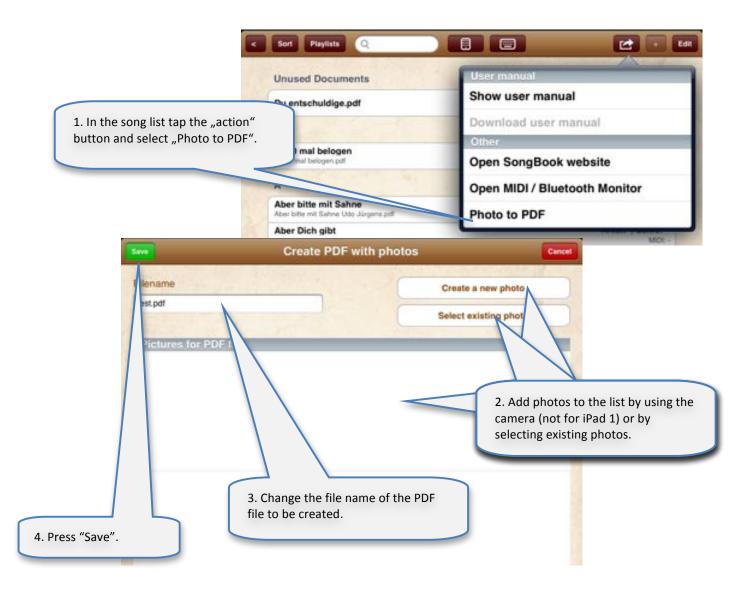
#### 13.1 Add a song without PDF and select MP3



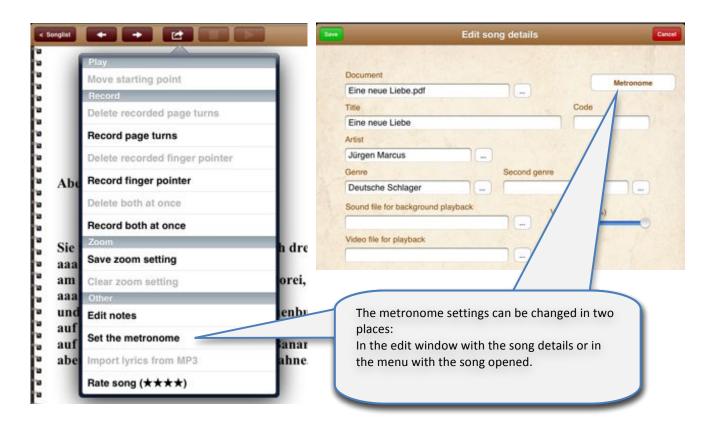
#### 13.2 Create PDF from lyrics in MP3

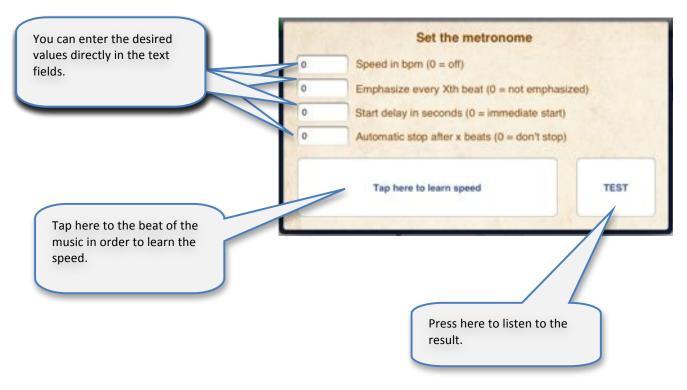


## 14 Scan lyrics on paper with built-in camera

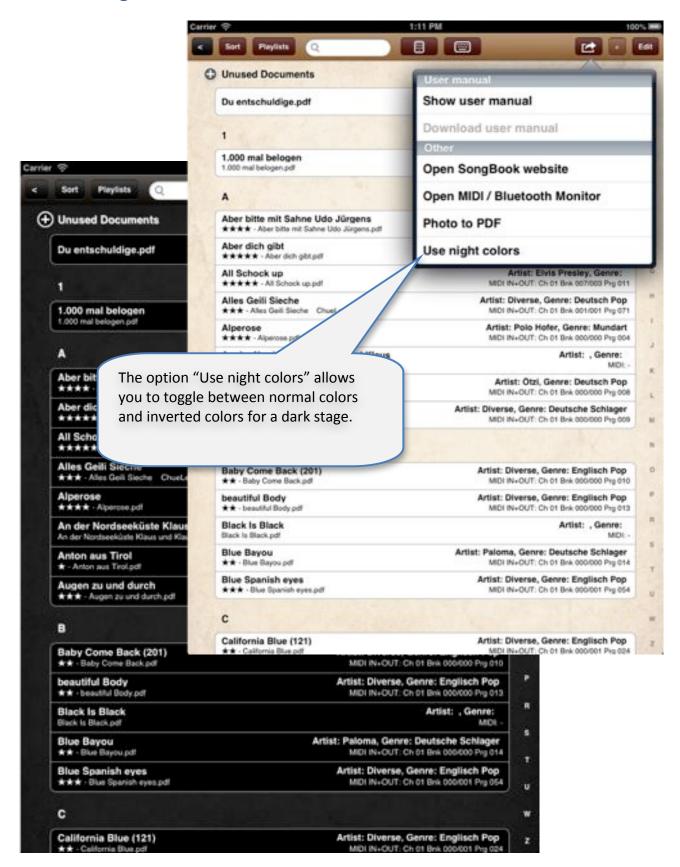


#### 15 Use of the metronome





## 16 Use of night colors



#### 17 Use the MIDI features

#### 17.1 Connecting iPad to MIDI

To connect the iPad to MIDI you need the "Apple iPad Camera Connection Kit" to have a USB interface on the iPad and then connect a USB-to-MIDI adapter to it.

It is also recommend to use an active USB hub, as the power from the iPad may be insufficient for the electronics of the USB-to-MIDI adapter.

The USB-to-MIDI adapter must be compatible to Apple's CoreMIDI.



Alternatively you can also use the IO Dock from Alesis or the iRig MIDI Adapter from IK Multimedia.

In contrast to "Apple iPad Camera Connection Kit", they offer the advantage that the iPad can also be supplied with power during the Midi operation.

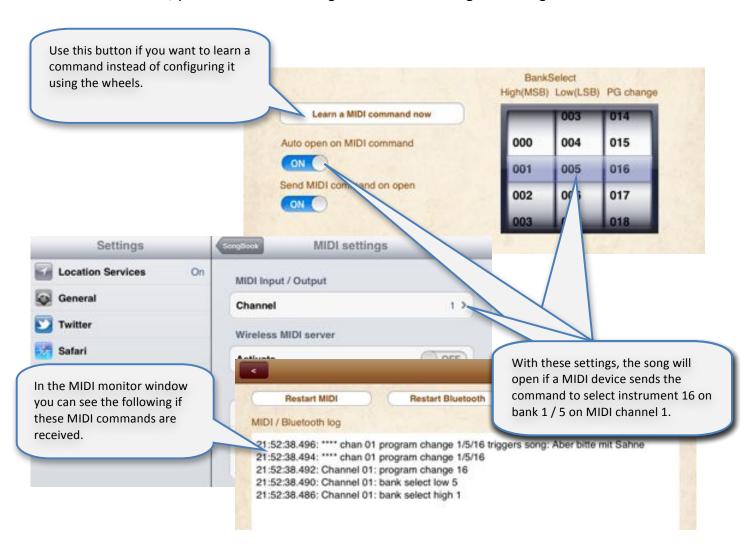
#### 17.2 Open song text on incoming MIDI commands

SongBook+ can listen for *ProgramChange* commands on the MIDI interface and then open a song. These commands normally select an instrument.

A typical use of this feature is that *ProgramChange* commands are sent from within a MIDI style, from within a played MIDI file, or from the keyboard when a registration was selected. SongBook+ then opens the corresponding song text. (A MIDI style can resend the same *ProgramChange* over and over again while looping; this will not lead to a problem.)

SongBook+ opens a song text, if it received *BankSelect* commands and a *ProgramChange* command as configured in the "Edit song detail" window.

Please note that SongBook+ uses values from 0 to 127. If your keyboard uses numbers from 1 to 128 instead, you must subtract 1 to get the value to configure in SongBook+.



Please use the built-in MIDI monitor to find out what is actually received by the MIDI interface if it doesn't work as expected.

#### 17.3 Send MIDI commands when song text is opened

You can also enable SongBook to send MIDI commands when you open a song text.

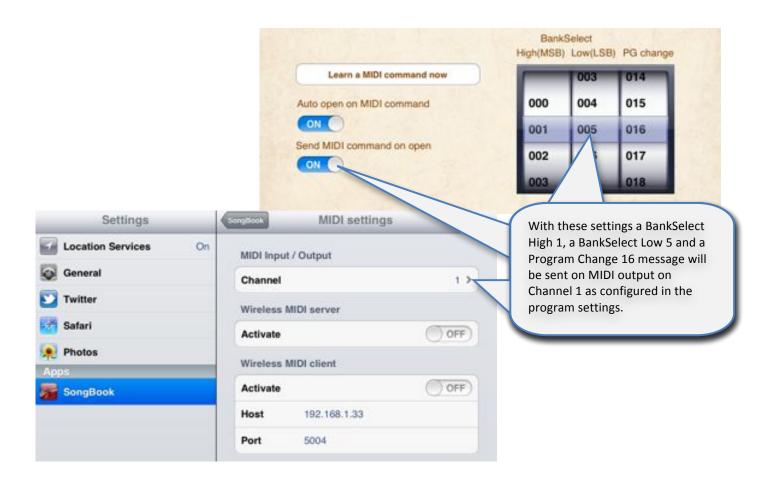
A typical use of this feature is to configure external devices like a keyboard upon selecting a song.

There are different ways to send MIDI commands:

#### 17.3.1 Send the configured BankSelect/ProgramChange commands

SongBook+ sends the *BankSelect* and *ProgramChange* commands as configured in the "Edit song detail" window, if the switch "Send MIDI command on open" is set to on.

The MIDI channel that SongBook+ is sending these commands on is the same as configured for the MIDI input.



#### 17.3.2 Send the contents of a MIDI file upon opening the song

SongBook sends the contents of a MIDI file upon <u>opening</u> the song, if a .mid file with exactly the same file name as the .pdf file exists.

(i.e. MySong.pdf → MySong.mid)

Only MIDI files of type 0 (single track) are allowed. All commands are sent at once, timing information is ignored and therefore this feature cannot be used to send music to the MIDI output, but only commands to configure the environment.

#### 17.3.3 Send the contents of a MIDI file upon starting the song

SongBook sends the contents of a MIDI file upon <u>starting</u> the song, if a .mid file with the same file name as the .pdf file extended with "\_start" exists.

(i.e. MySong.pdf → MySong start.mid)

Only MIDI files of type 0 (single track) are allowed. All commands are sent at once, timing information is ignored and therefore this feature cannot be used to send music to the MIDI output, but only commands to configure the environment.

#### 17.3.4 Send the contents of a MIDI file upon stopping the song

SongBook sends the contents of a MIDI file upon <u>stopping</u> the song, if a .mid file with the same file name as the .pdf file extended with "stop" exists.

(i.e. MySong.pdf → MySong stop.mid)

Only MIDI files of type 0 (single track) are allowed. All commands are sent at once, timing information is ignored and therefore this feature cannot be used to send music to the MIDI output, but only commands to configure the environment.

#### 17.3.5 Send MIDI Start when the song was started

You can configure in the settings, if SongBook should send MIDI Start upon starting the song.

#### 17.3.6 Send MIDI Stop when the song was stopped

You can configure in the settings, if SongBook should send MIDI Stop upon stopping the song.

## 18 Using foot pedals

#### 18.1 Foot pedals that simulate an external keyboard

SongBook+ supports all foot pedals that are able to simulate an external keyboard and can send one or more of the following keys:



In the application settings you can enable the use of foot pedals and assign the keys to the following actions:

- Do nothing
- Jump to next page
- Jump to previous page
- Press the Start button
- Press the Stop button
- Press the Start or Stop button (depending on currently enabled button)
- Jump to the next song
- Jump back to the song list
- Open song preselection list

In the Midi and Bluetooth monitor you can see which keys your foot pedal is sending.

To use this feature you can use e.g. the following foot pedals:

- BT-105 by Airturn (www.airturn.com) connected via Bluetooth
- PageFlip by Cicada (www.pageflip.com) connected via Bluetooth
- Footime by Bili's (<u>www.bilila.com</u>) connected via USB Camera Adapter

#### 18.2 Foot pedals that send MIDI commands

SongBook+ supports all foot pedals that can send one or more of the following MIDI commands:

- MIDI Start (used by Alesis io Dock pedal 1)
- MIDI Stop (used by Alesis io Dock pedal 2)
- MIDI Pause
- MIDI Continue
- MIDI Control-Change 4 to value 1
- MIDI Control-Change 4 to value 2
- MIDI Control-Change 4 to value 3
- MIDI Control-Change 4 to value 4
- MIDI Control-Change 63 to value (used by Alesis io Dock pedal 2)

In the application settings you can enable the use of MIDI foot pedals (\*) and assign the keys to the following actions:

- Do nothing
- Jump to next page
- Jump to previous page
- Press the Start button
- Press the Stop button
- Press the Start or Stop button (depending on currently enabled button)
- Jump to the next song
- Jump back to the song list
- Open song preselection list

**Remark:** The Alesis io Dock alternately sends MIDI Start and MIDI Stop on the first foot pedal. If you use this foot pedal you should assign the same action for MIDI Start and MIDI Stop.

In the Midi and Bluetooth monitor you can see which commands your foot pedal is sending.

<sup>(\*)</sup> Of course the MIDI commands do not entirely have to come from a foot pedal. They can be sent by any connected MIDI device.

## 19 Connecting multiple iPads with SongBook+ via Bluetooth

You can connect multiple iPads with SongBook+ via Bluetooth.

One SongBook must be configured as server and all others as clients.

This allows you to synchronize the following actions:

- Selecting a song
- Turning pages
- Start button
- Stop button

If you want to create multiple groups of SongBooks or want to set up a protection to prevent from connections of unknown SongBooks, you can configure a shared keyword.

If the feature is enabled in the application settings, the devices connect automatically upon starting SongBook+.



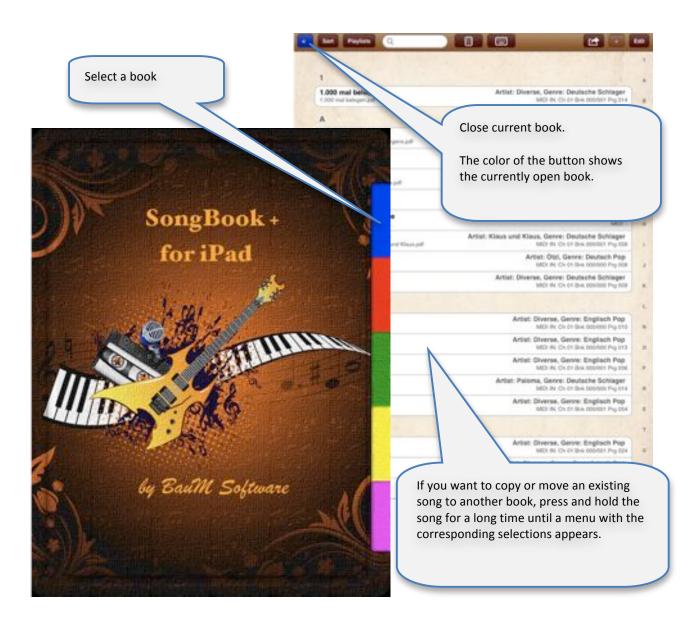


In order to synchronize the opening of songs on multiple iPads, the following three numbers in the song details must match on all iPads (even if you don't use MIDI at all).

## 20 Use of multiple books

If you want to use multiple books, activate the switch "Activate multiple books " in the settings of SongBook+.

You will then see five colored tabs on the book cover that can be used to open the desired book.



The list of the input artists and genres is shared by all books.

## 21 Application settings

The application settings of SongBook can be found in the settings of your iPad.



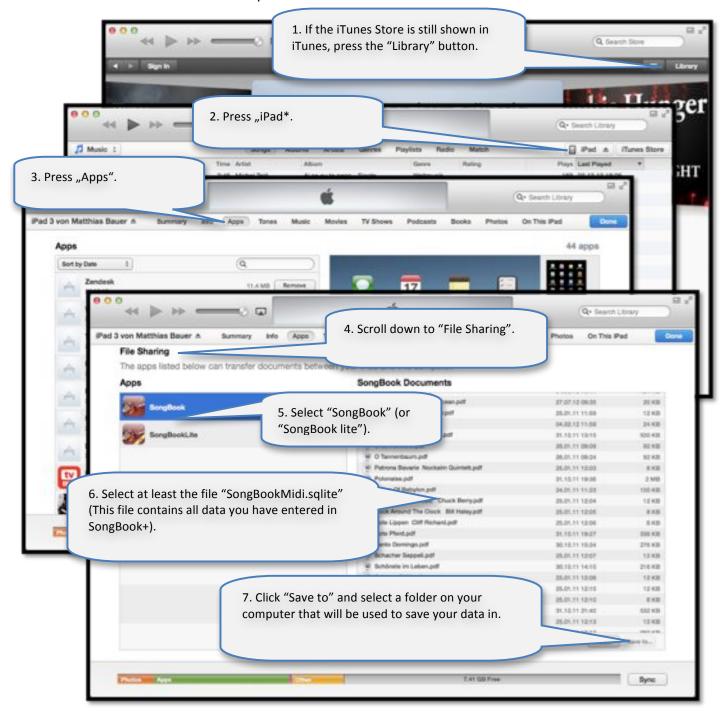
## 22 Backup and restore your data

The following chapters show you how to save your data to your computer and how to restore the saved data to SongBook.

With the same steps it is also possible to transfer your data from SongBook+ lite to the full version of SongBook+.

#### 22.1 Backup your data

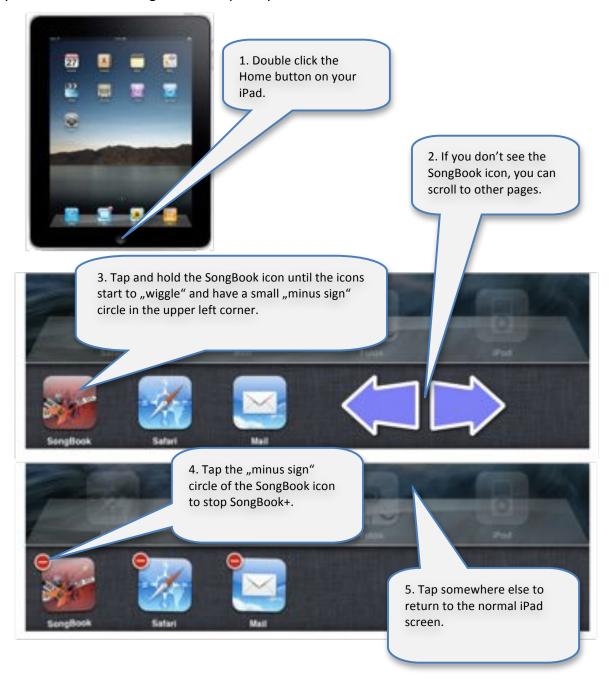
To save your data from SongBook to your computer, connect your iPad to the computer, start iTunes and follow the steps below:



#### 22.2 Restore your data from Backup

#### 22.2.1 Stop SongBook+ on iPad

As the data cannot be restored if SongBook+ is still running (also if paused in background), you must first exit SongBook+ completely.



#### 22.2.2 Restore your data

After you stopped SongBook+, you can copy the data back to SongBook+. The procedure for restoring data is the same as for adding files to SongBook+.

Follow the steps in chapter "2 Add PDF and MP3 files to SongBook+" and copy the file "SongBookMidi.sqlite" (and if needed your PDFs and MP3s) back to SongBook+.

#### 23 Contribution

The PDF reader in SongBook+ is based on sample code by Julius Oklamcak. Thank you Julius for publishing your sample code on the Internet. The use of this code requires the following credit in the product:

"Reader v2.0 • Copyright © 2011 Julius Oklamcak. All rights reserved."

See here for more information:

http://www.binpress.com/app/ios-pdf-readerviewer/536

The MIDI communication in SongBook+ is based on sample code by Pete Goodliffe. Thank you Pete for publishing your sample code on the Internet.

See here for more information:

http://goodliffe.blogspot.com/2010/10/using-coremidi-in-ios-example.html

#### 24 Contact information

If you have any questions or feedback about SongBook+, please visit us on

http://www.baum-software.ch

Here you can find a contact form to send us a message, a list of frequently asked questions, download links for the App Store, the latest version of this document and more.